AMENDMENTS TO THE CLAIMS

Claims 1 to 9 (Canceled).

10. (Currently Amended) ~~A self-oscillating~~ An audio Class D amplifier, comprising

(a) a detector for receiving a PWM waveform control signal and producing a digital waveform switching signal to activate one of a pair including a positive switch and a negative switch to correct gain produced by the Class D amplifier;

(b) an output stage including a positive switch and a negative switch comprising a single switching output, said output stage receiving said switching signal and activating one of said switches to produce a variable switching non-continuous digital driving signal;

(c) an output filter to receive said digital driving signal, remove switching noise and provide an amplified non-inverting audio analog output signal to drive a load;

(d) a non-inverting, closed loop negative feedback error amplifier circuit to

(i) receive said amplified analog output signal and compare said output signal to said input signal for gain-correction purposes, and

(ii) produce said PWM waveform control signal;

said amplifier self-oscillating.

11. (Currently Amended) ~~A self-oscillating~~ An audio Class D amplifier, comprising

(a) a detector for receiving a PWM waveform control signal and producing a digital

waveform switching signal to activate one of a pair including a positive switch and a negative switch to correct gain produced by the Class D amplifier;

(b) an output stage including a positive switch and a negative switch comprising a single switching output, said output stage receiving said switching signal and activating one of said switches to produce a variable switching non-continuous digital driving signal;

(c) an output filter to receive said digital driving signal, remove switching noise and provide an amplified non-inverting audio analog output signal to drive a load;

(d) a non-inverting, *closed loop* negative feedback error amplifier circuit to

(i) receive said amplified analog output signal and compare said output signal to said input signal for gain-correction purposes, and

(ii) produce said PWM waveform control signal;

the operation of said amplifier slowing as the magnitude of the error in gain increases, said amplifier self-oscillating.

12. (Currently Amended) ~~A self oscillating~~ An audio Class D amplifier, comprising

(a) a variable frequency zero crossing detector for receiving a PWM waveform control signal and producing a digital waveform switching signal to activate one of a pair including a positive switch and a negative switch to correct gain produced by the Class D amplifier;

(b) an output stage including a positive switch and a negative switch comprising a single switching output, said output stage receiving said switching signal and activating one of said switches to produce a variable switching non-continuous digital driving signal;

(c) an output filter to receive said digital driving signal, remove switching noise and provide an amplified non-inverting audio analog output signal to drive a load;

(d) a non-inverting, closed loop negative feedback, error amplifier circuit to

(i) receive said amplified analog output signal and compare said output signal to said input signal for gain-correction purposes, and

(ii) produce said PWM waveform control signal;

the operation of said amplifier slowing as the magnitude of the error in gain increases, said amplifier self-oscillating.